MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-5	5

L001	- Fun				Formation	J	- QUAR		County_		Lett.	
Init	ial		Annu	ai		Spec	cial		Date of	Test	5-7-58	
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									l Pase Kat			
									450			
									m			
											ess. 13.2	
Doto	of Commi	ation.	1 94		Poolso	ari	Si	ngle-Brad	enhead-G.	G. or	G.O. Dual	
Date	OI COMPI	ectou:	ip-1	79	racke				ort temb.			
							ÆD DATA					
Test	ed Throug	h <u>(Pro</u>	over) (Chales	(Mahara)				Type Tar	os	-	
			Flow D				Tubin	g Data	Casing I			
	(Prover				Diff.	Temp.	Press	. Temp.	Press.	Temp.	3	
No.	(Line)										of Flow	
	Size		Size	psig	h _w	°F.	psig	°F.	psig	o _F .	Hr.	
SI							527	80			72	
1.	2	3.3	240	20		4	196				3	
2.	2	1	250	36		70	172				3	
<u>3. </u>		1	250	67		- 54	363	<u> </u>	 	 	1 3	
1. 2. 3. 4. 5.		- 16	250			57	244		 	 	3	
2• !	- 10 24 1	er, poli		 		L					<u> </u>	
		-				FLOW CAL	CULATIO	NS				
	Coeffi	cient	1	F					Compre	ss.	Rate of Flow	
No.			—			Fac	tor	Factor	Facto			
	(24-H	our)	√ h _w	Pf	psia	F	't	Fg	Fpv		@ 15.025 psia	
1.			†`		33.2	0.97		0.9292	1.0		1131	
1. 2.	35,674				19.2	0.99		0.9292	1.0		1704	
3。	35.674 35.674				80.2	1.00	~ ~	0.9292	1.0		27%	
3 c 4.	33,014		ļ		97.2	1.00		0.9293	1.0	12	3335	
2.1	Gasisle	to see	- 24	hour	point du	to los	stion be	ing too s	est real d	mot	<u> </u>	
					PR:	ESSURE C	A COULAT	TONS			•	
					116	DDDOILL C	ALOU ELL.	10110			•	
Gas Li	iquid Hyd:	rocarbo	n Ratio	0		cf/bbl.		Spec	ific Gravi	ty Sepa	arator Gas	
Gravit	ty of Liq	uid Hyd				deg.		Spec	ific Gravi	ty_Flow	wing Fluid	
°c	5.866		(:	1-e ^{-s})	0,1	7	•	Р _с	540.2	_Pc	472,84	
			,					*0.6	95 Aprimo	4		
	$P_{\mathbf{w}}$					7						
No.	¹ W	l P	$\frac{2}{t}$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$	Q	$(F_cQ)^2$	(F	$(cQ)^2$	P_w^2	$P_c^2 - P_w^2$	Ca	al. Pw	
	Pt (psia)	t -0	C T	(- 64)	(i	_e-s)	- W-	- C - W	I	Pw Pc	
1.+		259	2 / 4	63	13.0		634	265.94	25.9	333		
1. 2.	509-2- 4 65 -2-	244		100	100.0		100	250.50	43.3		4 93	
<u>3. i</u>	- 376.2	343		-36			37.7	181.82	110.0	125	.6	
4.	277-2		3		342.4	57	771	134.57	157.4	344	-64	
5•									1			
	lute Pote	ntial:_	4	500		MCFPD;		.51	 			
COMPA			male (MI A	tect via							
ADDRE				, Heb	ha, Her !	lect en						
	T and TIT			10	nhin	<u></u>	Distri	st Superia	stendent-			
WITNESSED F. B. Southern												
COMPA	WIN I	R	1 Page	Retre	al Gas G	DEM	ARKS					
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d	JEN /mch	Urig &			. C., San		. H.					
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				Mr.	H. L. Hen	sley, K	dland					
				- '								

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_{t-} Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.